

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	
		Filing Date	Herewith
		First Named Inventor	Hutchens, T. William
		Art Unit	
		Examiner Name	
Sheet 1 of 4	Attorney Docket Number	016866-001507	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
A	1	US-5,719,060	02-17-1998	Hutchens et al.	
	2	US-6,225,047	05-01-2001	Hutchens et al.	
	3	US-6,579,719	06-17-2003	Hutchens et al.	
	4	US-3,898,661	07-29-1975	Parkhurst et al.	
	5	US-4,022,876	05-10-1977	Anbar	
	6	US-4,295,046	10-13-1981	Gruter et al.	
	7	US-4,296,332	10-20-1981	Hill	
	8	US-4,454,233	06-12-1984	Wang	
	9	US-4,468,468	08-28-1984	Benninghoven et al.	
	10	US-4,686,366	08-11-1987	Stuke	
	11	US-4,694,167	09-15-1987	Payne et al.	
	12	US-4,705,616	11-10-1987	Andresen et al.	
	13	US-4,902,627	02-20-1990	Kidwell	
	14	US-4,988,879	01-29-1991	Zare et al.	
	15	US-5,003,059	03-26-1991	Brennan	
	16	US-5,209,919	05-11-1993	Turteltaub et al.	
	17	US-5,045,694	09-03-1991	Beavis et al.	
	18	US-5,078,135	01-07-1992	Caprioli et al.	
	19	US-5,118,937	06-02-1992	Hillenkamp et al.	
	20	US-5,124,267	06-23-1992	Humpel et al.	
	21	US-5,171,889	12-15-1992	Williams et al.	
	22	US-5,547,835	08-20-1996	Koster	
23	US-				

Examiner Signature	Alexander	Date Considered	11/1/04
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Sheet	2	of	4	Attorney Docket Number	016866-001507

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ²	Number ⁴	Kind Code ⁵ (if known)				
	24	EP	00/84086		07-27-1983			<input type="checkbox"/>
	25	EP	03/33912		09-27-1989			<input type="checkbox"/>
	26	GB	22/35528		03-08-1991			<input type="checkbox"/>
	27	GB	22/35529		03-08-1991			<input type="checkbox"/>
	28	GB	22/36184		08-27-1991			<input type="checkbox"/>
	29	WO	91/02961		03-07-1991			<input type="checkbox"/>
	30	WO	92/13629		08-20-1992			<input type="checkbox"/>
	31	WO	96/3777		11-28-1996			<input type="checkbox"/>
	32	WO	96/40888		12-19-1996			<input type="checkbox"/>

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Sheet	3	of	4	Attorney Docket Number	016866-001507

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	33	American Biotechnology Laboratory, February 1994 cover, cover-page 2 (1994)	
	34	BEAVIS et al., <i>J. Phys. D: Appl. Phys.</i> , 26:442-447 (1993)	
	35	DWYER et al., A Novel Sample Preparation Device for MALDI-MS, <i>International Library</i> , 13A-13F (1997)	
	36	HILLENKAMP, Laser Desorption Mass Spectrometry: Mechanisms, Techniques and Applications, <i>Bordeaux Mass Spectrometry Conference Report</i> , 11A:354-382 (1988)	
	37	HUTCHENS et al., <i>Rapid Communications in Mass Spec.</i> , 6:469-473 (1992)	
	38	HUTCHENS et al., <i>Rapid Communications in Mass Spec.</i> , 7:576-580 (1993)	
	39	JONSSON et al., <i>Analytical Chemistry</i> , 58:1084-1087 (1988)	
	40	KARAS et al., <i>Analytical Chemistry</i> , 60:2299-2301 (1988)	
	41	KARAS et al., <i>Biomedical & Environmental Mass Spectrometry</i> , 18:841-843 (1989)	
	42	KARAS, Ultraviolet Laser Desorption of Proteins Up to 120,000 Daltons, <i>Bordeaux Mass Spectrometry Conference Report</i> , 11A:416-417 (1988)	
	43	MOCK et al., <i>Rapid Communications in Mass Spec.</i> , 6:233-238 (1994)	
	44	MOCK et al., <i>Rapid Communications in Mass Spectrometry</i> , 6:233-238 (1992)	
	45	NELSON et al., <i>Analytical Chemistry</i> , 67(111):89-102 (1991)	
	46	NELSON et al., <i>Rapid Communications in Mass Spec.</i> , 6:4-8 (1992)	
	47	RIVERA, A Summary Statement: Probes for Affinity Mass Spectrometry of Phosphoproteins (April 1994)	
	48	SPEIR et al., <i>Analytical Chemistry</i> , 64:1041-1045 (1992)	

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	49	STRUPAT et al., <i>Int'l J. Mass Spectrometry and Ion Processes</i> , 111:89-102 (1991)	
	50	VAN BREEMEN et al., <i>Int'l J. of Mass Spectrometry and Ion Physics</i> , 49:36-51 (1983)	
	51	XIANG et al., <i>Rapid Communications in Mass Spec.</i> , 8:199-204 (1994)	
	52	YIP et al., <i>Protein Expression and Purification</i> , 2:355-362 (1991)	

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